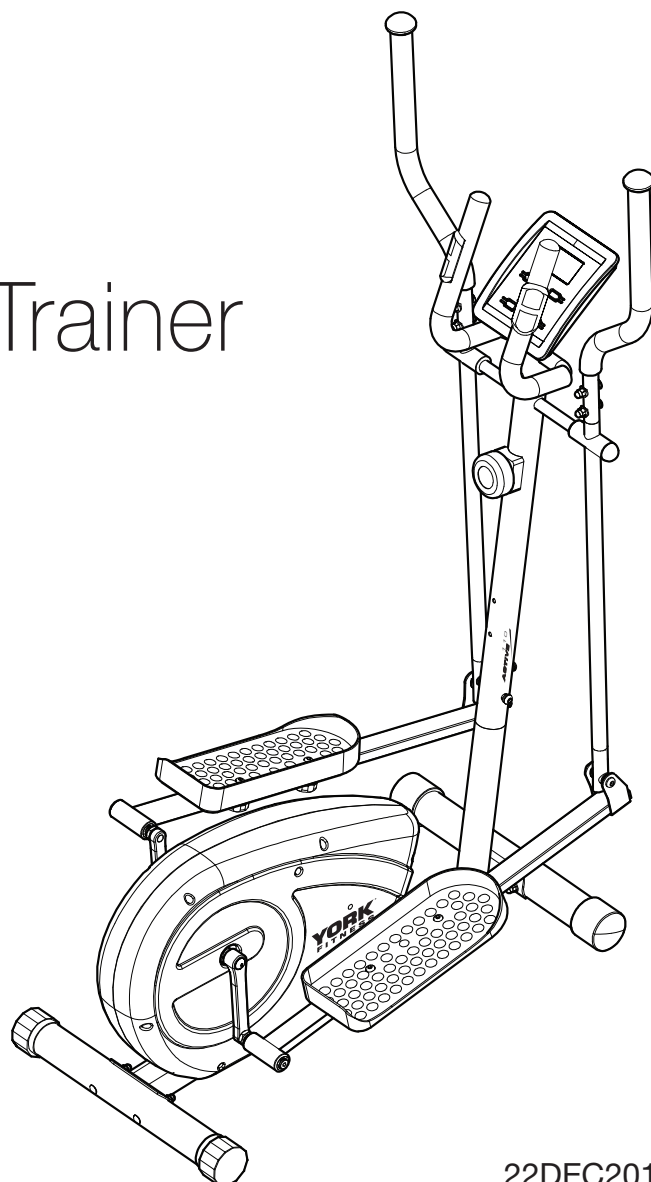


**YORK<sup>®</sup>**  
**FITNESS**



# Owner's Manual

Active 110 Cross Trainer  
52047



22DEC2011

# Table of contents

Congratulations on  
purchasing your exercise  
equipment from



You have chosen a high quality, safe and innovative piece of equipment as your training partner and we are certain it will keep you motivated on the way to achieving your personal fitness goals.

Please take the time to read this owner's manual as it will help you to get the most out of your new exercise equipment.

For more information visit [www.yorkfitness.com](http://www.yorkfitness.com)

## CONTENTS

Safety information	03
Customer support	04
Care & Maintenance	05
Assembly instructions	05
Operational instructions	10
Troubleshooting	13
Fitness guide	14
Exploded drawing	16
Part list	17



Protect the environment by not disposing of this product or batteries with household waste. Check your local authority for recycling advice and facilities.

# Safety information



Please read this instruction manual before you begin assembly. Great care has been taken to design these instructions and following them will help you with quicker assembly and minimize the risk of injury.

It is important that you keep these instructions for future reference.

This list is not exhaustive - You are responsible for your own safety!

- Always assemble and operate the equipment on a level surface.
- Ensure the equipment is stable before use.
- Always ensure that the equipment has adequate space on each side.
- Ensure that the seat height is adjusted correctly. You should be stable and balanced while on the saddle.
- Adjust the seat height to ensure that you have a good downward pedal stroke without overstretching, don't compromise your balance.
- Try to ensure that your back is straight while exercising, especially for long periods.
- The safety level of this equipment can only be maintained if it is regularly examined for wear and tear.
- Replace defective components immediately and keep the equipment out of use until it is repaired.
- Use only the adjustment setting as described in the instructions. Always use the correct adjustment pin / fixing.
- Always check that any pins / fixings are tight and secure before use and after adjustment.
- Never leave any adjustment devices projecting from the equipment.
- Always consult your doctor before undertaking any exercise program.
- Always wear suitable clothing and footwear. (e.g. tracksuit / shorts / training shoes)
- Remove all personal jewelry before exercising.
- Ensure you warm-up well before using the equipment as this will help to prevent muscle strain.
- After eating, allow 1-2 hours before exercising as this will help to prevent muscle strain.
- Never overload the equipment. (See maximum user weight)
- Never use the equipment in any other manner other than the ways explained in these instructions and any wall-chart supplied.

- Injuries to health may result from incorrect or excessive training.
- Parents and others in charge of children should be aware of their responsibility, because the natural play instinct and the fondness of experimenting of children can lead to situations and behavior for which the training equipment is not intended.
- If children are allowed to use the equipment, their mental and physical development and above all their temperament should be taken into account. They should be controlled and instructed in the correct use of the equipment.
- The equipment is under no circumstances suitable as a children's toy.
- Children should not be allowed on or around the equipment, especially when it is not in use.
- This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety.
- This product is not suitable for therapeutic purposes.
- This product has an integrated speed independent braking system without a constant power mode that is governed by magnetic resistance.
- This product has been tested for use in a home environment and is warranted for In Home, personal, family or household use.
- Due to our continuous policy of product development, York Fitness reserves the right to change specifications without notice.

**CAUTION!** The instructions must be followed carefully in the assembly, use and maintenance of your equipment. The warranty does not cover damage due to negligence of the assembly, adjustment and maintenance instructions described herein.

**Maximum user weight: 110kg**

## Safety Standards

This equipment meets the requirements of the EU's EMC and Low Voltage directives (where applicable), EN957 1 & 9 - CLASS HC. Therefore the equipment carries the following marks:



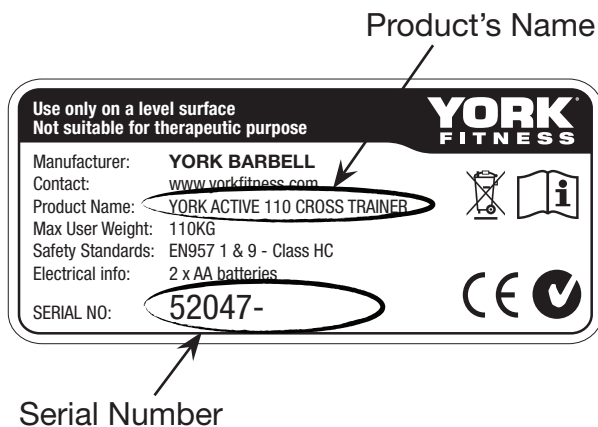
# Customer support

## Customer Support

Should you require any assistance regarding this product please gather the following information and then contact us using the details below:

- Serial No. - This can be found on the sticker below, located as indicated.
- Original purchase date
- Place of purchase
- Information about the place and conditions of use
- Precise description of the issue / defect

**IMPORTANT!! - Please retain your sales receipt, York Fitness Customer Care may request proof of purchase to validate eligibility for warranty service. Warranty cover starts from the date shown on the proof of purchase.**



This product label is an example only, it is not the real product name and serial number of the item you have bought.

*Underside of the main body.*

## ENGLAND

The best way to contact us is via the website:  
[www.yorkfitness.com](http://www.yorkfitness.com)

### York Barbell UK Ltd.

York Way, Daventry,  
England, NN11 4YB  
Tel: 0844 225 3112

## AUSTRALIA

The best way to contact us is via the website:  
[www.yorkfitness.com.au](http://www.yorkfitness.com.au)

### York Fitness Australia

1/2 Swaffham Rd, Minto,  
PO Box 5130, NSW 2566  
Tel: 1800 730 149

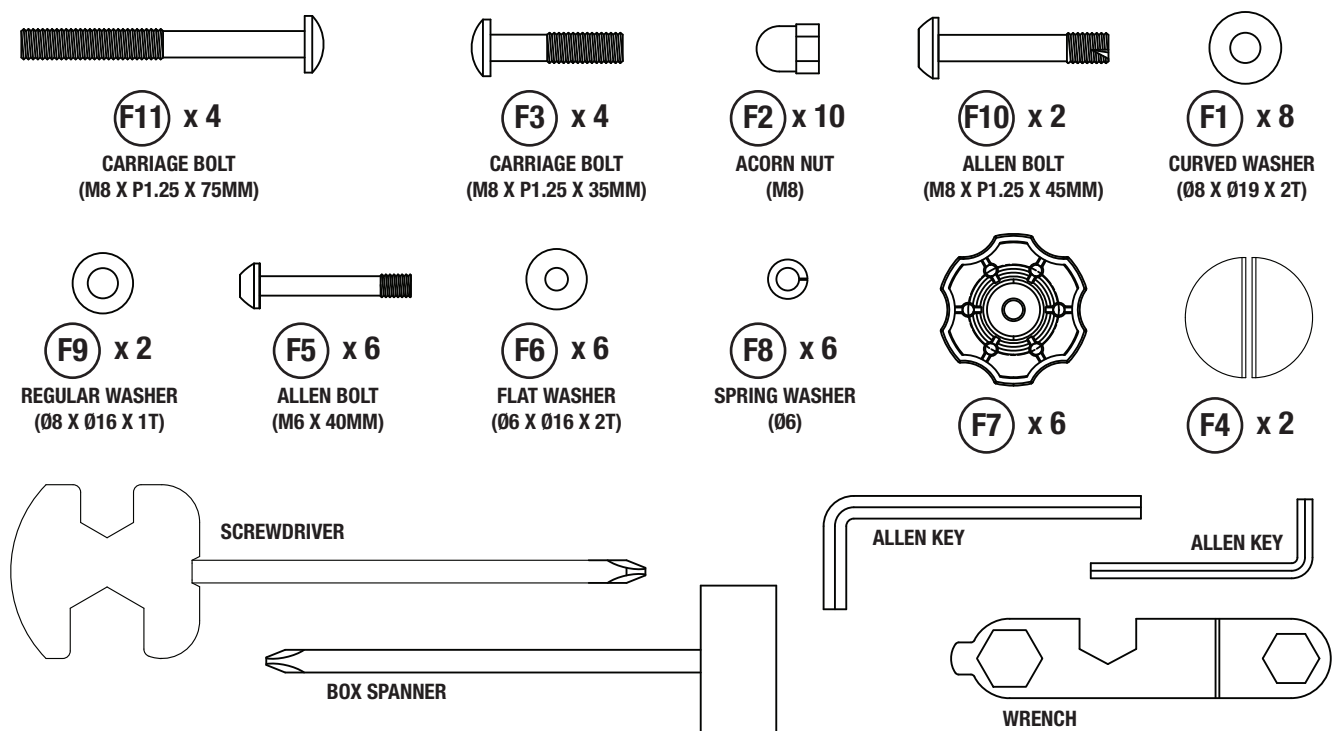
# Assembly instructions

## Care & Maintenance

- This equipment should not be placed outdoors, in a garage or an outbuilding. Keep the equipment in a dry place with as little temperature variation as possible.
- We recommend placing a mat beneath the equipment to protect both the equipment and your flooring.
- Always place the equipment in a dry environment.
- Use a warm, damp cloth to keep the product clean.
- No wet cleaning of electrical components. Unplug before any care and maintenance.
- The safety level of the equipment can be maintained only if it is regularly examined for damage and wear. This includes any ropes, pulleys, nuts, bolts, moving parts, bushes, chains, wheels, bearings & connection points etc.
- Ensure that you inspect the product regularly - at least once a week is recommended.
- Ensure that all fixings are tight before use.
- Always replace damaged / worn components with original parts from the manufacturer.

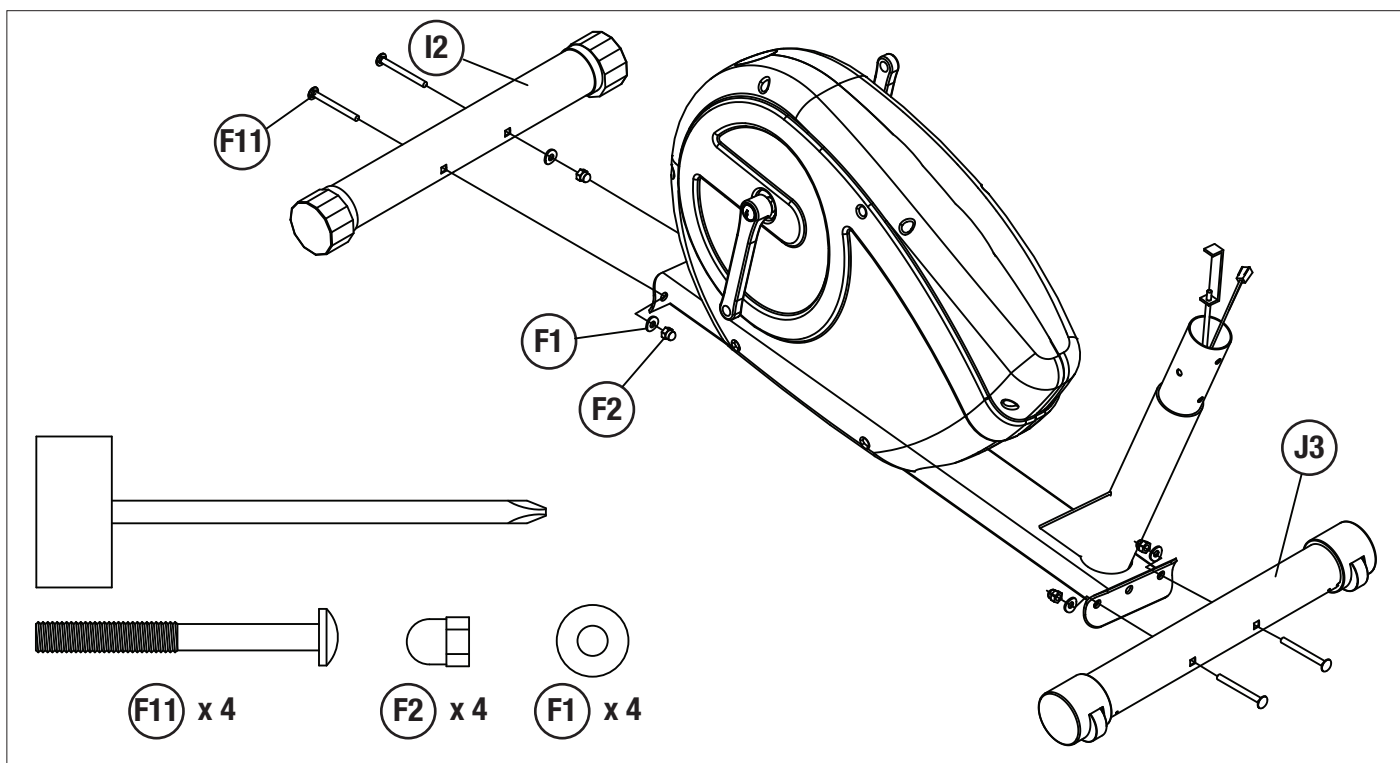
- **Prepare your work area** - It is important you assemble the product in a clean and uncluttered space.
- **Work with a friend** - We recommend you have someone assist you with the assembly as some of the components are quite heavy.
- **Open the carton** - Check any warnings on the carton and make sure you have it the right way up.
- **Unpack the carton** - Remove all the parts and lay them out on the floor.

Make sure you have the following parts:

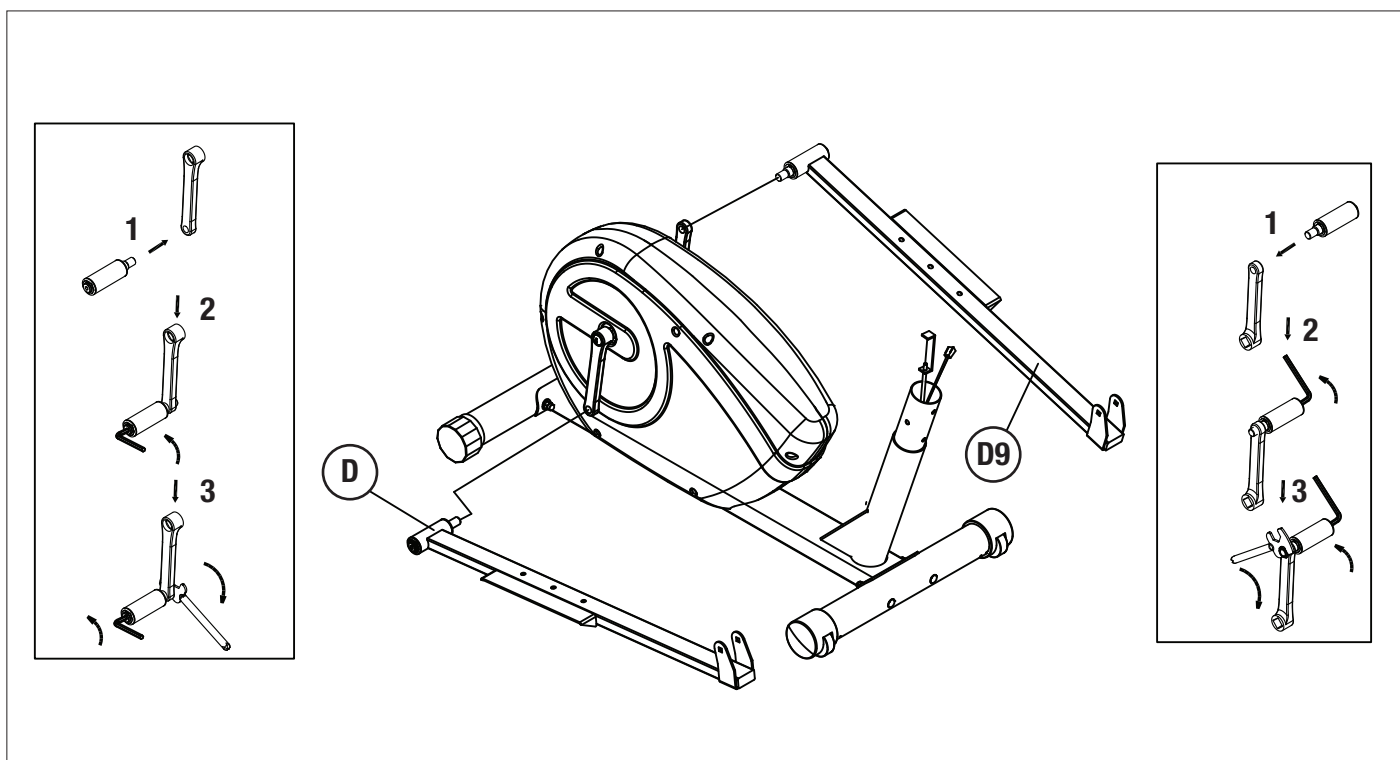


# Assembly instructions

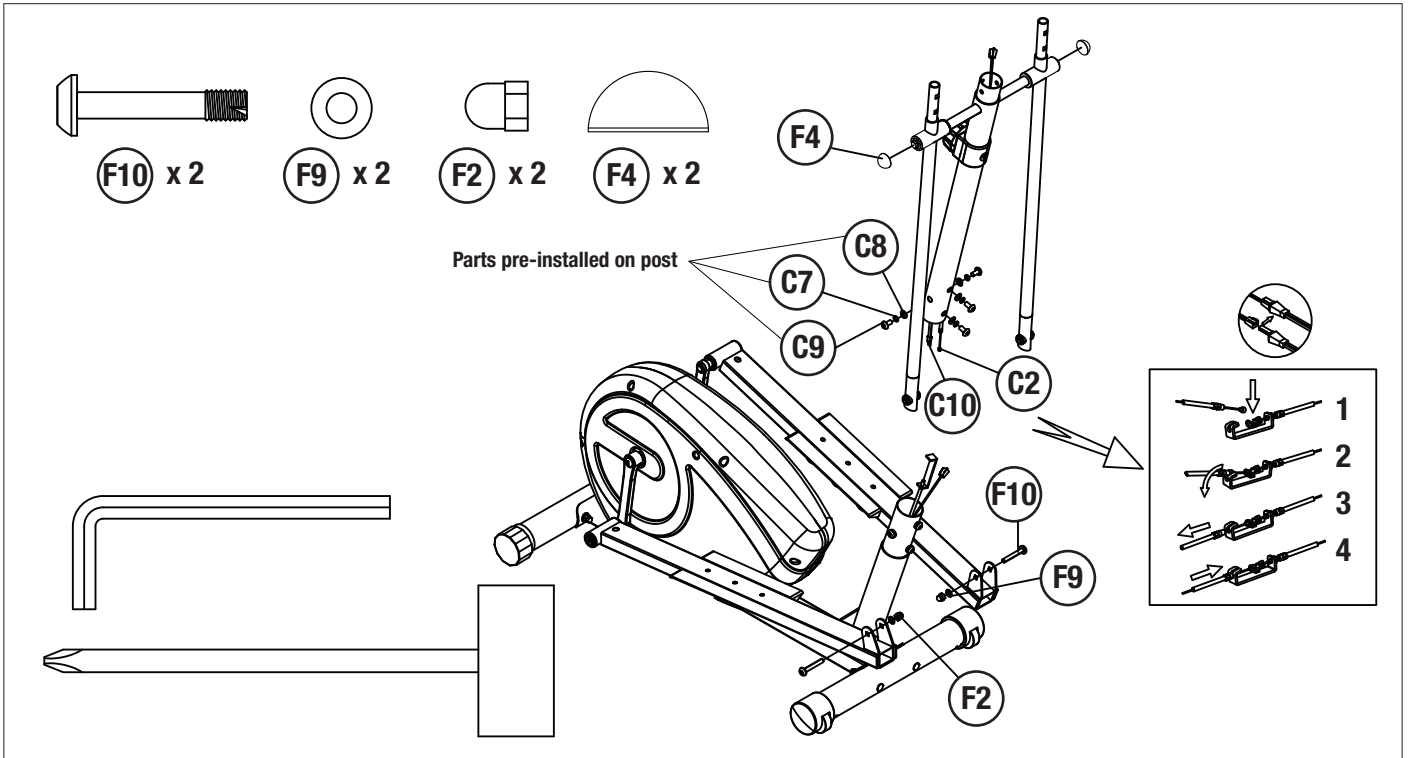
## STEP 1



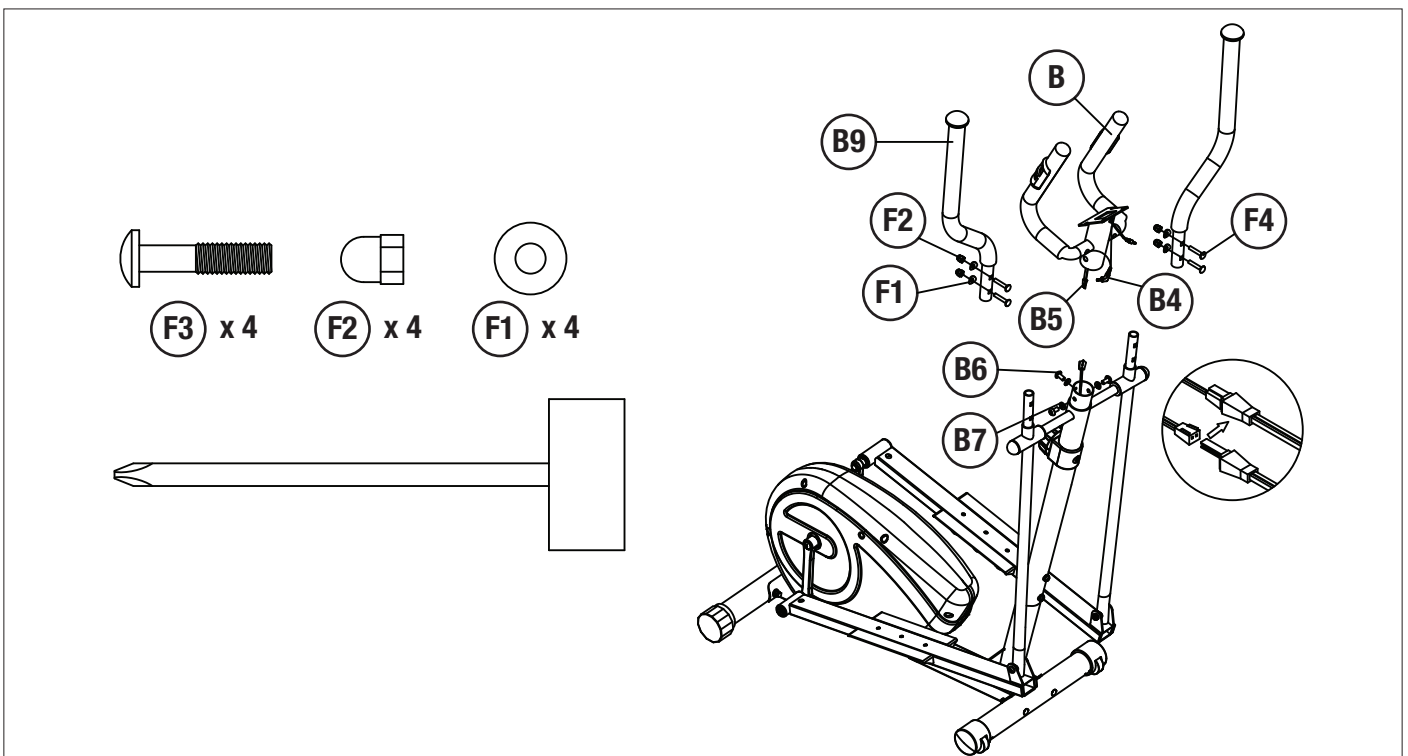
## STEP 2



## STEP 3

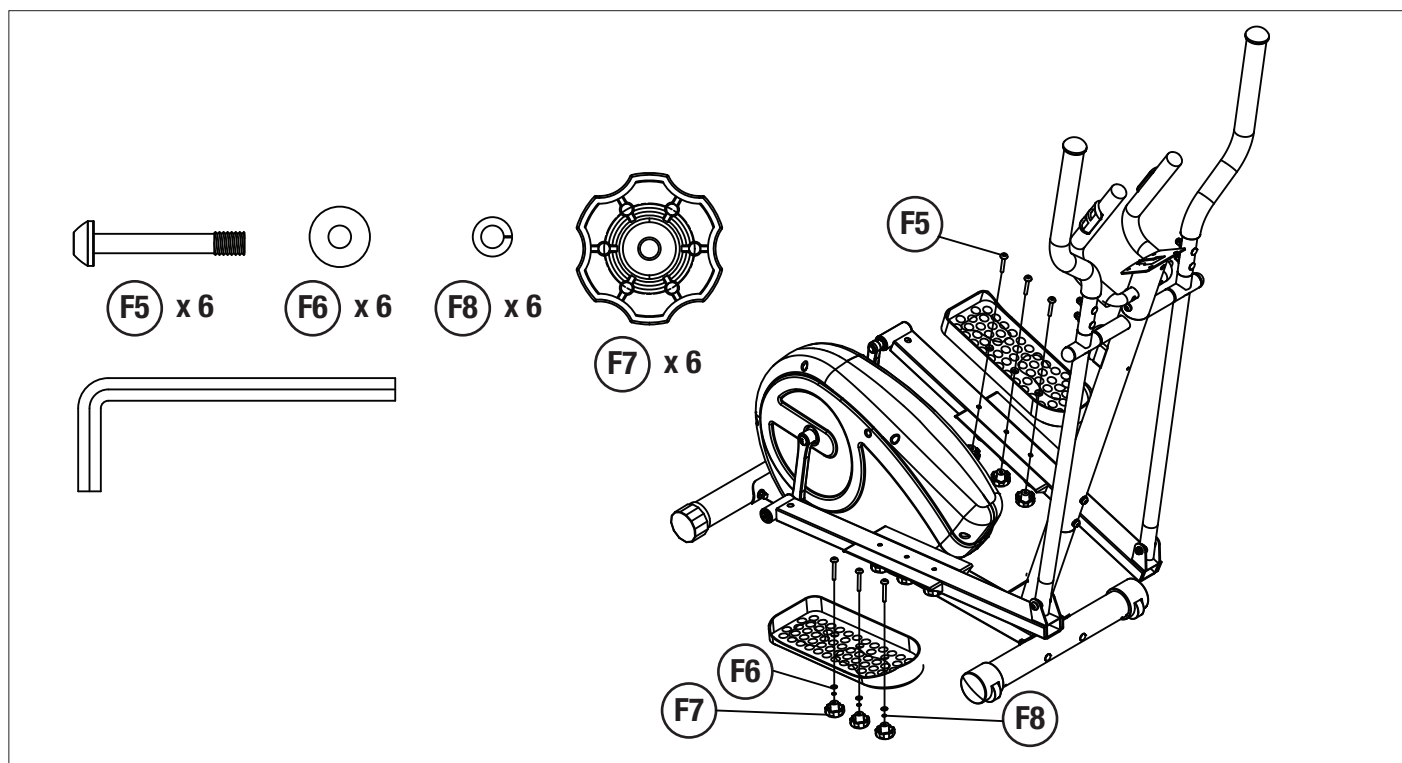


## STEP 4

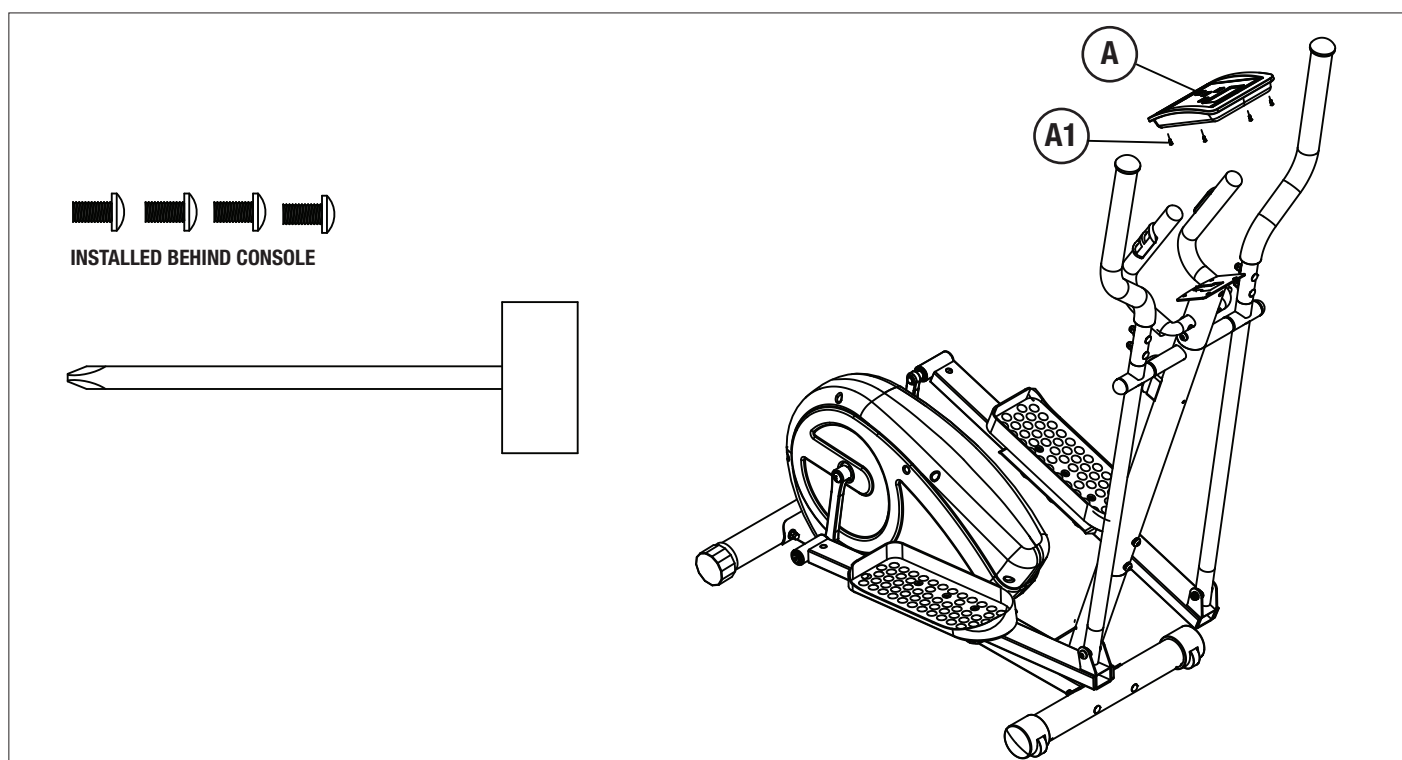


# Assembly instructions

## STEP 5



## STEP 6



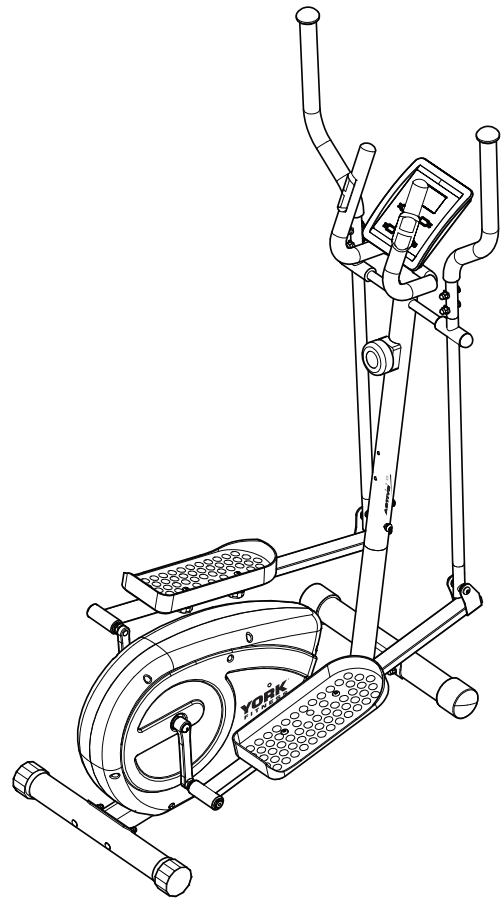


### Final Check

Your cross trainer is now assembled.

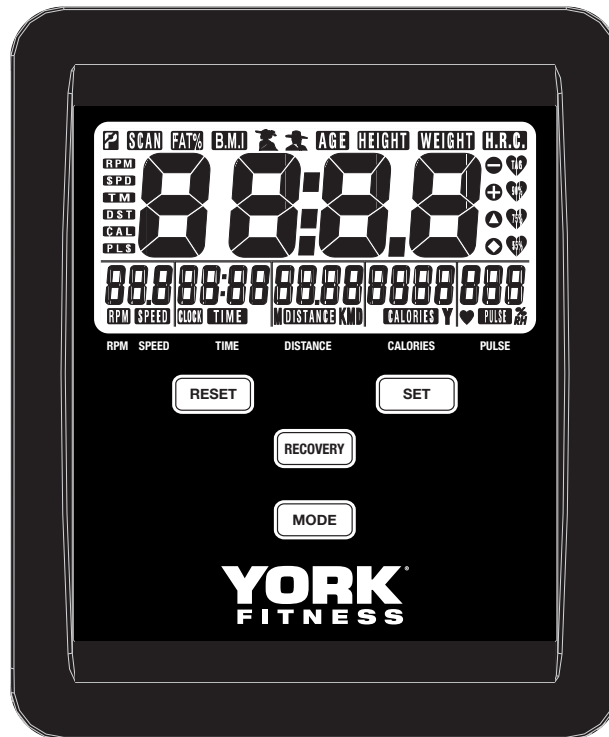
Please make the following final checks:

- Make sure all screws / bolts are tightened.
- Make sure the equipment is on a flat, level surface.



# Operational instructions

Console:

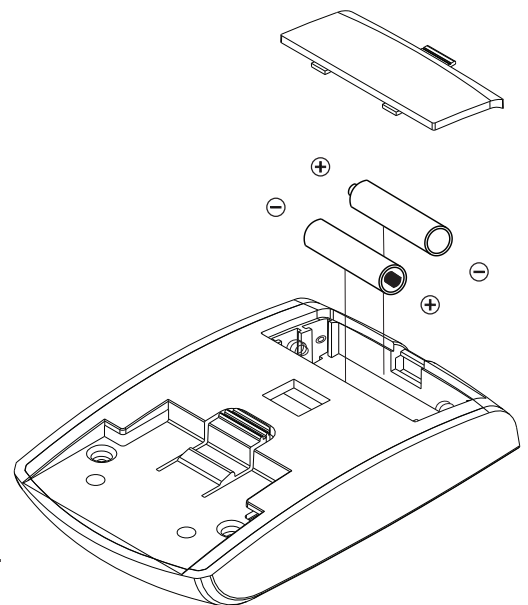


## BATTERIES REPLACEMENT INSTRUCTIONS:

1. Remove the meter from the cross trainer.
2. Open the battery compartment cover.
3. Remove battery by pulling the battery in direction of spring and lift opposite end upwards.
4. Insert 2 AA batteries ensuring you match the polarity markings (+ and -) on the batteries with the indicators in the battery compartment. Push flat end ( - ) against spring and when clear push other end into holder.
5. Close the battery compartment.

## Tips & Warnings

- Always change both batteries at the same time.
- Always use the same type of batteries.
- Never recharge Alkaline AA batteries.
- Do not try to heat, ignite, disassemble or throw AA batteries into a fire.
- Do not leave old batteries in the console, and remove batteries from the console if you won't be using it for a long time.



Protect the environment by not disposing of this product or batteries with household waste. Check your local authority for recycling advice and facilities.

## Key Function:

KEYS	FUNCTIONS
MODE	Press “MODE” button to select an option.
SET	To select a value during setup. You can hold the button to increase the value faster. (The computer has to be in stop condition)
RESET	The user may press “RESET” button to reset each function or hold on for 2 seconds to reset all functions.
RECOVERY	Press the key to activate heart rate recovery function.

## Display:

DISPLAY	DESCRIPTION
SCAN	Display all functions from RPM › SPEED › DISTANCE › CALORIES › PULSE
RPM	Displays the Rotation Per Minute. The RPM and SPEED will switch every 6 seconds during workout.
SPEED	Displays the current training speed. Maximum speed is 99.9KM/H.
TIME	Without a preset target, it will display the time exercised during your workout. In target mode, it will display the value left to your preset target.
DISTANCE	Without a preset target, it will display the distance traveled during your workout. In target mode, it will display the value left to your preset target.
CALORIE	Without a preset target, it will display the calories burned during your workout. In target mode, it will display the value left to your preset target.
PULSE	Displays your pulse rate in beats per minute during your workout.
TEMPERATURE	Displays the current room temperature
CALENDAR	Displays the current date
CLOCK	Displays the current time

## Program select and setting Value

1. Use the MODE button to select a function: **RPM › SPEED › DISTANCE › CALORIES › PULSE**
2. Use the SET button to select a value.
3. Press MODE again to confirm value and skip to next function.
4. The count down will begin when you start pedalling.
5. When you reach the target, the computer will produce beep sounds and then stop.

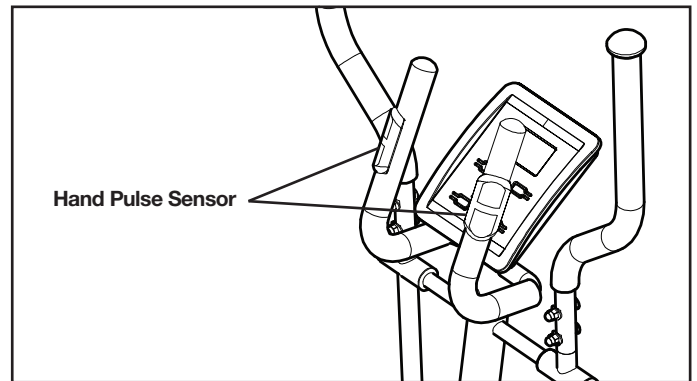
## Wake-Up Function

The monitor will entry SLEEP mode (LCD off) when there is no signal input and no key be pressed after 4 minutes. Press the screen to start the monitor.

# Operational instructions

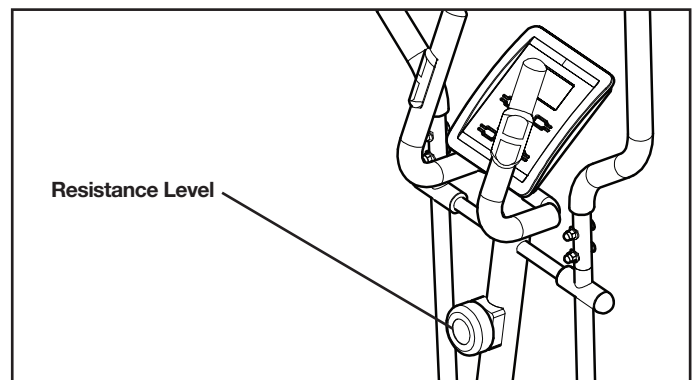
## Hand Pulse Sensors

This cross trainer is fitted with 2 hand pulse sensors. To obtain a pulse reading you must have both your left and right hands on the sensors at the same time. Do not grip the hand sensors too tight and allow the computer a few seconds to display the reading.



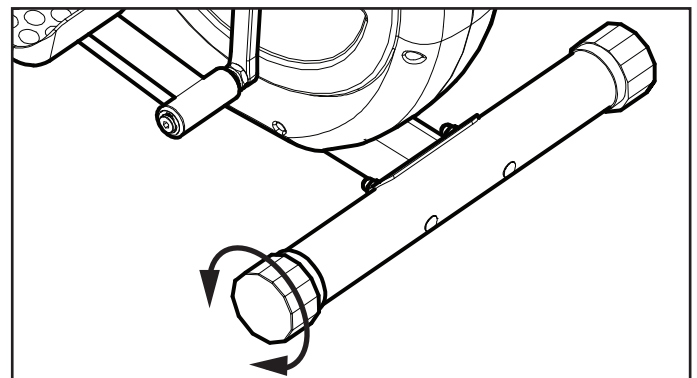
## Adjusting The Resistance

This cross trainer features a speed independent braking (resistance) system. The resistance is controlled by a magnet, which is moved closer or further away from the flywheel - the closer the magnet is to the flywheel the higher the resistance.



## Levelling Your Cross Trainer

To help you level the cross trainer on uneven surface, 2 height adjusters are included on the rear stabilizers. Simply twist these around to adjust the height of the cross trainer.



# Troubleshooting



If you have a problem with your cross trainer, before you do anything else please check that all the cables have been connected correctly. Loose cables are very common and many problems can be solved by making sure the cables are properly connected.

The following table details the most common problems and how to fix them. If you still have a problem after going through the troubleshooting guide please call your local YORK distributor for advice.

PROBLEM	CAUSE	CORRECTION
NO DISPLAY	No power	Make sure power cord is plugged in properly
	System halted	Unplug and re-plug the power cord to reset the system
NO SPEED DISPLAY	Wires are damaged or not connected properly	Verify all wires are connected properly
	Speed sensor is too far from magnet	Contact your local YORK distributor
PARTIAL DISPLAY	The PA board is not connected properly	Unplug and re-plug the power cord
		Verify all wires are connected properly
		Disconnect and re-connect all cables
		Contact your local YORK distributor
NO PULSE SIGNAL	Wires are damaged or not connected properly	Verify all wires are connected properly
	Too much hand movement	Dry palms
	Palms too wet	Grip using moderate pressure
	Hand Pulse Sensor is being gripped too tightly	Remove all rings
	User is wearing rings	Contact your local YORK distributor

**FOR YOUR OWN SAFETY, DO NOT OPEN PROTECTIVE CASING. IF ERROR PERSIST, PLEASE CONTACT YOUR LOCAL YORK DISTRIBUTOR FOR ADVICE. KEEP THE EQUIPMENT OUT OF USE UNTIL IT IS REPAIRED.**

If you are having problems with your heart rate reading, please note that some fibres used in clothes eg) polyester, create static electricity that may prevent a reliable heart rate reading. Mobile phones, TV's, microwaves and other electrical appliances that generate an electromagnetic field may also interfere with heart rate measurement.

# Fitness guide

## Starting and Finishing Your Workout

Begin and end each workout with a Warm Up / Down session - a few minutes of stretching to help prevent strains, pulls and cramps.

## Correct Cross-training form

To start using the cross trainer, simply stand on the foot pedals with the front of your shoes close to the front edge of the pedal cap. Place your hands at a comfortable position on the handlebars. Simply move your highest foot forward and follow the natural path of the machine.

Start on a load level that is comfortable to familiarize yourself with the machine. Once you are comfortable, start adjusting the load level to achieve the workout desired.

**Forward and Reverse:** The cross trainer can be used in the forward and reverse direction to vary the muscles that you workout. This will also vary your workout helping you to stay motivated. To change directions, simply slow the pedals down until they stop and switch directions.

**Load Level Adjustment:** The load level of cross trainer can be changed at any time during your workout. Adjusting your load level will allow you to increase or decrease your intensity level.

## Suggested Stretches

The correct form for several basic stretches is shown at the right. Move slowly as you stretch—never bounce.

### 1. Hamstring Stretch

Sit with one leg extended. Bring the sole of the opposite foot toward you and rest it against the inner thigh of your extended leg. Reach toward your toes as far as possible. Hold for 15 counts, then relax. Repeat 3 times for each leg. Stretches: Hamstrings, lower back and groin.



### 2. Calf/Achilles Stretch

With one leg in front of the other, reach forward and place your hands against a wall. Keep your back leg straight and your back foot flat on the floor. Bend your front leg, lean forward and move your hips toward the wall. Hold for 15 counts, then relax. Repeat 3 times for each leg. To cause further stretching of the achilles tendons, bend your back leg as well. Stretches: Calves, achilles tendons and ankles.



### 3. Quadriceps Stretch

With one hand against a wall for balance, reach back and grasp one foot with your other hand. Bring your heel as close to your buttocks as possible. Hold for 15 counts, then relax. Repeat 3 times for each leg. Stretches: Quadriceps and hip muscles.



### 4. Inner Thigh Stretch

Sit with the soles of your feet together and your knees outward. Pull your feet toward your groin area as far as possible. Hold for 15 counts, then relax. Repeat 3 times. Stretches: Quadriceps and hip muscles.



## How Long Should I Exercise For?

That really depends on your current level of fitness. If you're just starting out on a new exercise program, you should start gradually and build up - do not try to do too much too quickly. 30 minutes, 3 times a week should be enough.

Don't push yourself too hard - you should never feel exhausted during or following exercise.

## Heart Rate Training

To get the most out of your new piece of fitness equipment and see the best results from your training you should exercise at the right level of effort, and that means listening to your heart! Working out to a target heart rate means you can direct your workout to achieve different goals:

**Good health** - For those wishing to improve quality of life and general well being. Your sessions will need to be done at an intensity of between 50 - 60% of your estimated maximum heart rate, should last about 30 minutes and can be done on most days of the week.

**Weight loss** - To see a significant reduction in body fat, your sessions must be a little more intense - between 60 and 70% of your estimated maximum heart rate. These sessions can also be performed on most days of the week for up to 30 minutes.

**Improving fitness levels** - These sessions should be performed at 70 - 80% of your estimated maximum heart rate and can also involve bouts of interval training that would have your heart rate peaking for short times near your maximum heart rate level. These are intense sessions and will require at least a 48 hour rest between sessions.

## Calculating Your Target Heart Rate

First, you need to find your estimated maximum heart rate using the formula "220 minus your age in years". So, if you are 35 years old your estimated maximum heart rate is:

$$220 - 35 = 185 \text{ beats per minute (bpm)}$$

Next, to calculate your target heart rate, simply multiply your estimated maximum heart rate (185bpm) by the applicable percentage. So, if your goal is better health:

$$185 \times 60\% = 111\text{bpm}$$

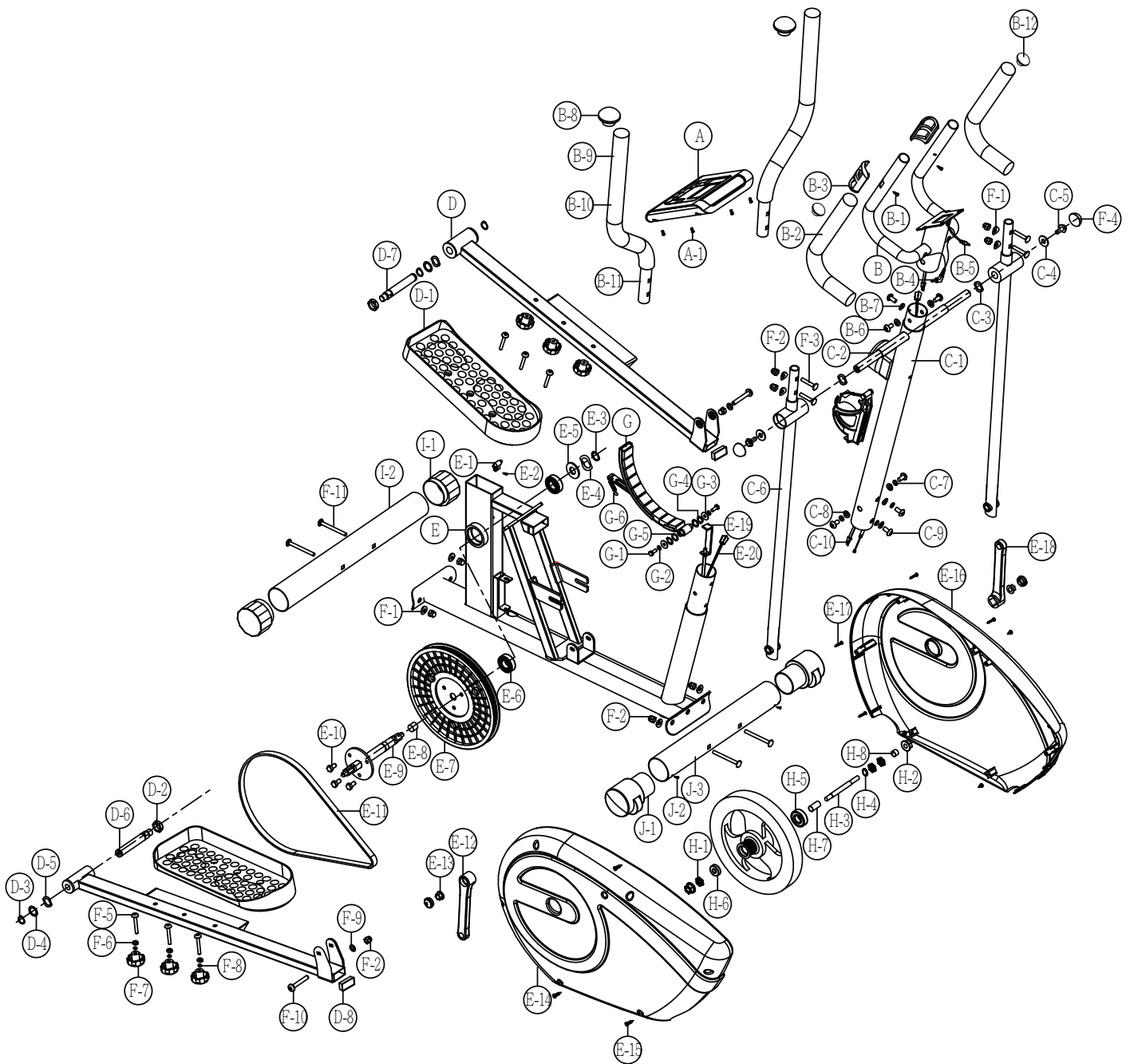
**NOTE: The important issue to remember with all estimated calculations is that they are just estimates - if you don't feel comfortable exercising at your target then reduce it to a level you are comfortable with.**

Heart rate training requires you to monitor your heart rate throughout the workout. For this we recommend using a chest strap (if your machine has a wireless receiver) or a heart rate monitor. For more information please get in touch using the Contact Us details.

**ALWAYS CONSULT YOUR DOCTOR BEFORE UNDERTAKING A NEW EXERCISE REGIME. IF YOU EXPERIENCE NAUSEA, DIZZINESS OR OTHER ABNORMAL SYMPTOMS DURING EXERCISE, STOP AT ONCE AND CONSULT YOUR DOCTOR.**



# Exploded drawing





# Part list



YORK REF.	REF.	DESCRIPTION	QTY.
52047-1	A	CONSOLE	1
52047-2	A-1	SCREW (M5 X 10)	4
52047-3	B	FRONT HANDELBAR	1
52047-4	B-1	SCREW (M3 X 20L)	2
52047-5	B-2	FOAM GRIP	2
52047-6	B-3	HAND PULSE SENSOR	2
52047-7	B-4	HAND PULSE SENSOR WIRE	1
52047-8	B-5	SENSOR WIRE, UPPER	1
52047-9	B-6	HEX HEAD SCREW (M8 X P1.25 X 16L)	3
52047-10	B-7	SEMI-CIRCULAR WASHER (Ø8 X Ø19 X 2T)	3
52047-11	B-8	END CAP	2
52047-12	B-9	UPPER HANDLEBAR SET	2
52047-13	B-10	FOAM GRIP	2
52047-14	B-11	UPPER HANDLEBAR	2
52047-15	B-12	END CAP	2
52047-16	C-1	HANDLEBAR POST	1
52047-17	C-2	TENSION CONTROLLER, UPPER	1
52047-18	C-3	CURVED WASHER (Ø17.5 X Ø25 X 0.3T)	2
52047-19	C-4	FLAT WASHER (Ø10 X Ø26 X 2T)	2
52047-20	C-5	NYLOC SCREW (M8 X P1.0 X 20L)	2
52047-21	C-6	LOWER HANDLEBAR	2
52047-22	C-7	SPRING WASHER (Ø8.1 X Ø12.9 X 2.4T)	4
52047-23	C-8	SEMI-CIRCULAR WASHER	4
52047-24	C-9	HEX HEAD SCREW (M8 X P1.25 X 16L)	4
52047-25	C-10	SENSOR WIRE, LOWER	1
52047-26	D-R	PEDAL ARM, RIGHT	1
52047-27	D-L	PEDAL ARM, LEFT	1
52047-28	D-1R/L	PEDAL, PAIR	2
52047-29	D-2	NYLON NUT (9/16" X 6T)	1
52047-30	D-3	C-CLIP (Ø17)	4
52047-31	D-4	FLAT WASHER (Ø17.5 X Ø25 X 0.3T)	2
52047-32	D-5	CRANK PIN, LEFT	1
52047-33	D-6	CRANK PIN, RIGHT	1
52047-34	D-7	END CAP	2
52047-35	D-8	NYLON NUT (9/16" X 6T)	1
52047-36	E	FRAME	1
52047-37	E-1	SENSOR HOLDER	1
52047-38	E-2	SCREW (M4 X 10L)	1
52047-39	E-3	C-CLIP (Ø20)	1
52047-40	E-4	CURVED WASHER (Ø20 X Ø30 X 0.3T)	1
52047-41	E-5	FLAT WASHER (Ø20.3 X Ø30 X 1T)	1
52047-42	E-6	BEARING (6004RS PLASTIC)	2
52047-43	E-7	DRIVE PULLEY	1
52047-44	E-8	BUSHING (Ø20.5 X Ø25 X 7.5MM)	1
52047-45	E-9	AXLE	1

YORK REF.	REF.	DESCRIPTION	QTY.
52047-46	E-10	HEX SCREW (M8 X P1.25 X 12L X 5T)	3
52047-47	E-11	DRIVE BELT	1
52047-48	E-12	CRANK, RIGHT	1
52047-49	E-13	PATTERN NUT (M10 X P1.25 X 10T)	2
52047-50	E-14	SIDE COVER, RIGHT	1
52047-51	E-15	SCREW (3/16" X 3/4")	6
52047-52	E-16	SIDE COVER, LEFT	1
52047-53	E-17	SCREW (M4 X 50L)	5
52047-54	E-18	CRANK, LEFT	1
52047-55	E-19	TENSION CONTROLLER, LOWER	1
52047-56	E-20	SPEED SENSOR	1
52047-57	F	HARDWARE PACK (F-1~F-11)	1
52047-58	F-1	SEMI-CIRCULAR WASHER (Ø8 X Ø19 X 2T)	8
52047-59	F-2	ACRON NUT (M8)	10
52047-60	F-3	CARRIAGE BOLT (M8 X P1.25 X 35L)	4
52047-61	F-4	SCREW COVER	2
52047-62	F-5	HEX HEAD SCREW (M6 X P1.0 X 40L)	6
52047-63	F-6	FLAT WASHER (Ø6 X Ø16 X 2T)	6
52047-64	F-7	LOCKING KNOB	6
52047-65	F-8	SPRING WASHER (Ø6)	6
52047-66	F-9	FLAT WASHER (Ø8 X Ø16 X 1T)	2
52047-67	F-10	HEX HEAD SCREW (M8 X P1.25 X 45L)	2
52047-68	F-11	CARRIAGE BOLT (M8 X P1.25 X 75L)	4
52047-69	G	MAGNET BRACKET (G-1~G-6)	1
52047-70	G-1	HEX SCREW (M6 X P1.0 X 16L)	2
52047-71	G-2	SPRING WASHER (Ø6)	2
52047-72	G-3	FLAT WASHER (Ø6 X Ø13 X 1T)	2
52047-73	G-4	C-CLIP (Ø12)	2
52047-74	G-5	CURVED WASHER (Ø12.5 X Ø18 X 0.3T)	2
52047-75	G-6	SPRING (Ø12 X Ø1.4 X 9T)	1
52047-76	H	FLYWHEEL SET	1
52047-77	H-1	NUT (3/8" X -26 X 4.5T)	3
52047-78	H-2	PATTERN NUT (3/8" X -26 X 7T)	2
52047-79	H-3	FLYWHEEL AXLE	1
52047-80	H-4	FLAT WASHER (Ø10 X Ø14 X 1T)	1
52047-81	H-5	BEARING (6000RS PLASTIC)	1
52047-82	H-6	BEARING (6300RS PLASTIC)	1
52047-83	H-8	BUSHING (Ø10 X Ø14 X 6MM)	1
52047-84	I-1	REAR STABILIZER END CAP	2
52047-85	I-2	REAR STABILIZER	2
52047-86	J-1	END CAP W/ TRANSPORT WHEEL	2
52047-87	J-2	SCREW (M3 X 8)	2
52047-88	J-3	FRONT STABILIZER	1
52047-89		FIXING BLISTER PACK	1



**YORK<sup>®</sup>**  
**FITNESS**

[www.yorkfitness.com](http://www.yorkfitness.com)